ETHERLINK® 10/100 PCI FOR COMPLETE PC MANAGEMENT NETWORK INTERFACE CARDS QUICK GUIDE

3C905C-TX and 3C905C-TX-M EtherLink 10/100 PCI NICs for Complete PC Management

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3Com Corporation ■ 5400 Bayfront Plaza ■ Santa Clara, California ■ 95052-8145

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Introduction

This quick guide explains how to install a 3Com® EtherLink® 10/100 PCI for Complete PC Management (3C905C) network interface card (NIC) in a PC running Microsoft Windows 95 or Windows 98.

For all other operating systems, or for more detailed information on the 3C905C NIC, see the *EtherLink 10/100 PCI for Complete PC Management Network Interface Card User Guide*.

Installation Overview

Before you physically install the NIC in a PC, you must run the NIC preinstallation program, located on *EtherDisk*® diskette 1, to prevent conflicts with the NIC.

CAUTION: *If you do not run the preinstallation program, the NIC driver and software will not be installed correctly. See "Running the Preinstallation Program" later in this quick guide for instructions.*

Make sure that you have the following items:

- 3C905C NIC
- 3Com *EtherDisk* diskettes 1, 2, and 3
- Remote Wake-Up cable (This cable is optional. Install it only if you want to use Remote Wake-Up and your PC is not compliant with PCI 2.2. Contact your PC manufacturer for the Remote Wake-Up cable.)
- SOS or SMBus cable (This cable is optional. Install it only if you want to use remote system alerts and your PC has a matching connector on its motherboard. Contact your PC manufacturer for cabling and installation instructions.)

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Installing Multiple NICs

If you are installing multiple 3C905C NICs in a PC or server, follow the instructions in "Installing Multiple NICs" in Chapter 3 of the user guide. Do *not* follow the instructions in this quick guide.

Upgrading Windows 95 to Windows 98

If you are upgrading a PC from Windows 95 to Windows 98 that already has a 3C90x NIC installed, follow the instructions in the WIN98.TXT file located in the HELP directory on *EtherDisk* diskette 3.

Updating *EtherDisk* Software

If you want to update your current version of *EtherDisk* software to *EtherDisk* 5.x software, follow the instructions in the text file appropriate for your operating system in the HELP directory on *EtherDisk* diskette 3.

Running the Preinstallation Program

Before you physically install the NIC in a PC, you must run the following preinstallation program to properly set up your system environment.

CAUTION: *If you do not perform this procedure, the NIC driver and software will not be installed correctly.*

To run the NIC preinstallation program:

1. **Do not install the NIC in the PC.**
2. **Turn on the power to the PC and start Windows.**
3. **Insert *EtherDisk* diskette 1 in drive A.**
4. **From the Windows *Start* menu, select *Run*.**
5. **Run the preinstallation program. Enter:**

   `a:\preinstl`
6. **After the preinstallation program finishes, turn off the power to the PC.**

   The next step is to install the NIC in the PC.

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Installing the NIC

To install the NIC in the PC:

1 **Make sure that you have run the preinstallation program, as described in the previous section.**

CAUTION: *Before handling the NIC, touch the bare metal case of your PC to discharge static electricity from your body. While you are handling the NIC, wear a wrist strap grounded to the PC chassis.*

2 **Remove all jewelry from your hands and wrists. Use only insulated or nonconducting tools.**

3 **Make sure that the power to the PC is turned off and that the power cord is unplugged.**

4 **Remove the cover from the PC.**

5 **Locate an empty, nonshared bus mastering PCI slot and remove the corresponding slot cover. Save the screw.**

Do not install the NIC in a *shared* PCI slot. Avoid any PCI slot next to an ISA slot. This is often a shared slot and does not support bus mastering.

If you do not know how to identify a PCI slot, check your PC documentation or ask your system administrator.

If you are planning to install the Remote Wake-Up cable or a cable for the SOS or SMBus connector, choose an empty PCI slot that is close to the matching connector on the PC motherboard.

6 **Carefully insert the NIC into the empty PCI slot (see Figure 1). Press firmly to ensure that the NIC is fully seated in the slot.**

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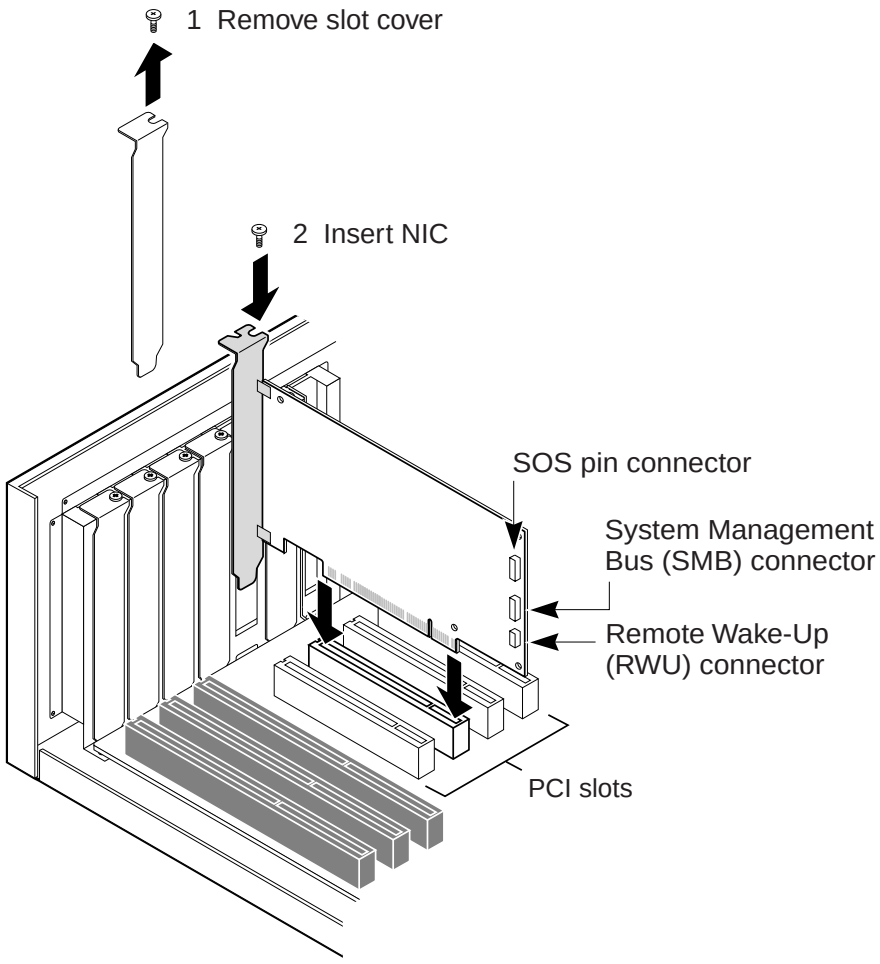
Figure 1 Installing the NIC



7 Secure the NIC with the screw you removed in step 5.

If you want to connect the Remote Wake-Up cable, see "Connecting the Remote Wake-Up Cable" in Chapter 2 of the user guide to continue the installation.

If you want to connect a cable from the SOS or SMBus connector, see your PC documentation or contact your PC manufacturer for instructions.

If you do not want to connect a cable, continue with step 8.

8 Replace the PC cover and plug in the power cord.

Do not turn on the power to the PC.

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9 Connect the appropriate network cable to the RJ-45 port on the NIC, following the specifications in the table below.

Network Environment	Cable Required	Maximum Cable Length
10 Mbps (10BASE-T)	Category 3, 4, or 5 unshielded twisted-pair	100 m (328 ft)
100 Mbps (100BASE-TX)	Category 5 unshielded twisted-pair	100 m (328 ft)

The next step is to install the NIC driver and software.

Installing the Driver and Software

This section describes how to install the NIC driver and software on a PC running Windows 95 or Windows 98. For other operating systems, see the user guide.

Windows 95

To install the NIC driver and software under Windows 95, you need the Windows 95 installation files. These files may be on a CD or diskettes, or they may have been copied to your hard drive when Windows 95 was installed on your PC.

If you encounter problems during the installation, see the W95NDIS.TXT file located in the HELP directory on EtherDisk *diskette 3 for troubleshooting tips.*

Before installing the NIC driver and software:

- Make sure that you have run the preinstallation program, as described earlier in this guide.
- Make sure that the NIC is installed in the PC and that it is connected to the network.

To install the NIC driver and software on a PC running Windows 95:

1 Turn on the power to the PC.

Windows 95 detects the NIC. Depending on the version of Windows 95 that you have installed, the New Hardware Found dialog box appears or the Update Device Driver Wizard starts.

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If the New Hardware Found dialog box appears:

a Select *Driver from disk provided by hardware manufacture*r, and then click *OK*.

b Insert *EtherDisk* diskette 1 in drive A, make sure that A:\ appears in the entry box, and then click *OK*.

c Go to step 2 when prompted for *EtherDisk* diskette 2.

If the Update Device Driver Wizard starts:

a Insert *EtherDisk* diskette 1 in drive A, and then click *Next*.

Windows finds the driver and asks if you want to use this driver.

b Click *Finish, and then click OK when prompted for EtherDisk diskette 1*.

c Go to step 2 when prompted for *EtherDisk* diskette 2.

2 Remove *EtherDisk* diskette 1 from drive A, insert *EtherDisk* diskette 2, and then click *OK*.

Files are copied.

- If this is the first time that networking is being installed on your PC, the Identification tab of the Network screen appears. Go to step 3.
- If networking has already been installed, you are prompted for the Windows 95 CD. Go to step 4.

3 In the specified fields of the Identification tab screen, enter the following information, and then click *OK*:

- Computer Name — Identifies the PC on the network for other users. This entry must be a unique name of 15 characters or fewer, containing no spaces.
- Workgroup — Identifies the group (for example, your department name) to which your PC belongs. If you belong to a peer-to-peer network, this entry must be exactly the same for all the PCs in your network.
- Computer Description — Displays additional details to other users on the network about this PC. For example, you could specify that the PC has a printer attached. Filling in this field is optional.

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4 **Insert the Windows 95 CD or diskette, and then click *OK*.**

If you do not have the Windows 95 CD or diskette, but the Windows 95 installation files are on your hard drive, click *OK. Enter the directory in the Copy Files From entry box (usually C:\WINDOWS\OPTIONS\CABS)*, and then click *OK*.

Files are copied. You are prompted for *EtherDisk* diskette 2.

5 **Make sure that *EtherDisk* diskette 2 is in drive A, and then click *OK*.**

Files are copied. You are prompted to restart the PC.

6 **Remove *EtherDisk* diskette 2 from drive A, and then click *Yes* to restart the PC.**

You must restart the PC to complete the installation.

The installation is complete. Go to "Verifying Successful Installation" later in this guide to confirm that the NIC is properly installed.

After Windows restarts, double-click the Network icon in the Windows Control Panel and make sure that the configuration settings are properly configured for your network environment. Contact your system administrator for assistance.

Windows 98

To install the NIC driver and software under Windows 98, you need the Windows 98 installation files. These files may be on a CD or diskettes, or they may have been copied to your hard drive when Windows 98 was installed on your PC.

If you encounter problems during the installation, see the WIN98.TXT file located in the HELP directory on EtherDisk *diskette 3 for troubleshooting tips.*

Before installing the NIC driver and software:

- Make sure that you have run the preinstallation program, as described earlier in this guide.
- Make sure that the NIC is installed in the PC and that it is connected to the network.

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To install the NIC driver and software on a PC running Windows 98:

1 **Turn on the power to the PC.**

Windows 98 detects the NIC. The Add New Hardware Wizard starts.

2 **Insert *EtherDisk* diskette 1 in drive A, and then click *Next*.**

3 **Select *Search for the best driver for your device (Recommended)*, and then click *Next*.**

4 **Select *Floppy disk drives*, and then click *Next*.**

Windows finds the driver file for the device.

5 **Click *Next*.**

If the Insert Disk dialog box appears, prompting you to insert EtherDisk diskette 1, click OK.

Files are copied. You are prompted for *EtherDisk* diskette 2.

6 **Remove *EtherDisk* diskette 1 from drive A, insert *EtherDisk* diskette 2, and then click *OK*.**

Files are copied. You are prompted for the Windows 98 CD.

7 **Insert the Windows 98 CD or diskette, and then click *OK*.**

If you do not have the Windows 98 CD or diskette, but the Windows 98 installation files are on your hard drive, click *OK. Enter the directory in the Copy Files From entry box (usually C:\WINDOWS\OPTIONS\CABS)*, and then click *OK*.

Files are copied. You are prompted for *EtherDisk* diskette 2.

8 **Make sure that *EtherDisk* diskette 2 is in drive A, and then click *OK*.**

Files are copied.

9 **Click *Finish*.**

You are prompted to restart the PC.

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10 Remove *EtherDisk* diskette 2 from drive A, and then click *Yes* to restart the PC.

You must restart the PC to complete the installation.

The installation is complete. Go to the next section, "Verifying Successful Installation," to confirm that the NIC is properly installed.

After Windows restarts, double-click the Network icon in the Windows Control Panel and make sure that the configuration settings are properly configured for your network environment. Contact your system administrator for assistance.

Verifying Successful Installation

To verify that the NIC and its software are properly installed on a PC running Windows 95 or Windows 98:

1 Open the Windows *Start* menu, select *Settings*, and then select *Control Panel*.

2 Double-click the System icon.

3 Select the Device Manager tab.

4 Double-click *Network adapters* and make sure that the name of the NIC appears.

If a red X or a yellow exclamation point (!) appears next to the name of the NIC, the installation was not successful. See "Troubleshooting the Installation" and "Frequently Asked Questions" in Chapter 5 of the user guide for troubleshooting help.

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